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SAKATA'S RELIABLE SEEDS

1954
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GIANT VICTORIOUS FORMULA MIXTURE

HERBST BROTHERS

678 Broadway, New York 12, N.Y.

AGENTS FOR

T. SAKATA & Co., Yokohama, Japan

The seal of the Hamburg Free and Hanseatic City is a circular emblem. It features a central shield with a crenelated top and a large 'M' at the bottom. The shield is flanked by two lions. Above the shield is a crown. The text 'HAMBURG' is on the left, 'STAATSPREIS' is at the top, 'DER FREIEN' is on the right, and 'UND HANSESTADT' is at the bottom.

These prizes are: (1) State Prize in Gold, (2) Bronze Medal by Agriculture and Nutrition Ministry, (3) Silver Plate by the Free City of Hamburg.

T. SAKATA & COMPANY



Bronze Medal
By Agriculture &
Nutrition Ministry



Silver Plate by the Free City of Hamburg



DES SONDERAUFTRAGS DES ZENTRALVERBANDES DES DEUTSCHEN GEMÜSE-, OBST- UND GARTENBAUS E. V.

Airmail OCT. 15, 1953

HAMBURG 56 / AM DAMMTOE

TELEFON: SAMUEL 33 12 51

For:
Sakata & Comp.

Y E K O H M : 6/28/2011

Dear Sir,

In the Final Ceremony, which will mark the close of the International Horticultural Exhibition on October 11, 1953, the State Prizes in Gold will be presented to the winners.

The President of the Senate of the Free and Hanseatic City of Hamburg, Major Max Brauer, will present the State Prize in Gold to an authorized representative of the St. Louis 1904.

I have pleasure in extending our invitation to you to attend this ceremony and would greatly appreciate your positive response. We will return whether your authorized representative will be able to receive the State Prize. As soon as we have your confirmation, special awards showing the respective names will be received for you in the future. Sincerely,

1. *Urgent* (1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 26

(Contd.)

Answer to be addressed to:
BANKA O. JEDNOTY, a. s. b., SÍLHOVÁ 21/1500, PRAHA 10, WAGNER 34, PRAHA 10, CZECH REPUBLIC

TERMS OF SALE

- Offers :** All offers are without engagement of any kind.
- Orders :** All orders are booked subject to crop out-turn and pro-rata delivery.
- Price :** All prices are quoted in U. S. Dollars and Cents and are subject to change without notice.
- Shipment :** All seeds are delivered f. o. b. Yokohama, as soon as possible after harvest and thence travel at customer's risk and expense. We cannot be held responsible for any delay, loss, damage etc., aroused from any cause which is beyond our control.
- Packing :** Bags and containers are charged at cost price and are not returnable.
- Insurance :** All shipments are insured at customer's expense, unless otherwise instructed.
- Shipping Instructions :**
Customers are requested to forward clear shipping and forwarding instructions together with order, or designate the routing which will be followed as far as possible ; otherwise best judgement will be used in selecting carriers and routes.
- Complaints :** Complaints and claims will be considered only if made within 10 days after receipt of goods. However, a restitution for and article can never exceed the amount charged for it on the invoice. No complaint whatever gives any ground for adjournment of any payment.
- Warranty :** T. Sakata & Co., devote to the production, harvesting, and shipping of their seed with the greatest possible attention, and furnish only seed which merits their own full confidence. However, they give no warranty, express or implied, as to the description, quality or productiveness or any other matter of the seed they delivery, nor will they be held responsible for the crop in any way.

Please favor us with your order as early as possible through

HERBST BROTHERS

678 Broadway,
New York 12, New York

Sole Agents for United States and Canada



PETUNIA SAKATA'S ALL DOUBLES

NEW INTRODUCTION

Giant Victorious All Double Petunia Formula Mixed Colors

A new development with very large (5") full double flowers, far much larger than previous Victorious with equally dwarf compact growth. Also it has full range of many bright colors such as carmine, salmon rose, rich violet blue, purple, variegated, pink and white.

We are saving seed out of above separate colors.

Our trial has proved this new strain to be the finest of all mixed colored All Doubles, both in size, substance, color as well as the dwarfness of growth.

Can recommend with confidence.

Victorious Clear Pink

This new strain is very dwarf and compact. The clearest of pinks we know. Fully doubled well fringed flowers of good size (3½").

Makes excellent pot or bedding plant on account of its extremely dwarf habit and the most pleasing clear pink color.



PREVIOUS STRAINS

Victorious Amaranth Red

Large flower of the dwarf type, often measuring 4 inches across with rich velvety amaranth purple color.

Victorious Attraction

All plants are remarkably uniform in habit. Color is rich bright rose with sharp contrasting variation of purest white.

Victorious Gaiety

Extra dwarf and compact form, so even that every plant looks like a duplicate of the other, with large well fringed, full double flowers. The color is beautifully striped and mottled with bright rose and white. This is a very popular strain among the florist.

Victorious Blue Brocade

A good velvety violet blue color which we won Silver Medal in All America Selections.

Victorious Loveliness

This is dwarf and compact, with soft rose-pink flowers of good doubleness. An ideal strain for pot and for bed.

Victorious Prima Donna

Bright salmon orange, full double flowers are of excellent substance, dwarf and compact growth suitable for pot.

Victorious Pure White

Everybody was looking for real dwarf Double Pure White and we are fortunate in offering dwarf giant Pure White in full double flower. Large full double well fringed flowers are ideal for pot culture and for bedding.

Victorious Rosy Carmine

Just a shade brighter than the old type, but much improved in the size of flower and growth which is even dwarfer. Many of its flowers measure 4 inches across.

Victorious Illumination

Brighter colored than Rosy Carmine with equally dwarf and compact growth.

Victorious Strains (Continued)

Victorious Mixed Colors

Not much irregularity in growth, reasonably even in height, yet covering full range of colors such as red, rose, scarlet, pink, salmon, violet blue, purple, white variegation etc. Nothing can beat this in color assortment and in its even dwarf growth.

TRIUMPHANT GIANT FLOWERED MIXED COLORS

This strain while somewhat irregular in its growth has larger flowers than the dwarf type. It has full color assortment one can think of in All Doubles.

Dwarf Colossal Mixed Colors

This covers extra giant flowering All Double Petunia with full double fringed form. We actually measured 5 inches across with such colors as rose, light and bright salmon, crimson, rose and white variegated. Height, not more than 12 inches with bushy and shapy growth and with marked vigor.

We are happy to supply these seeds at rather popular prices

—PRICE SCHEDULE (All Double Petunias)—

	BULK QUANTITIES					ORIGINATOR'S PACKET		
						<small>Price per packet containing</small>		
	1oz	1/4oz	1/8oz	1/16oz	1/32oz	100 seeds	500 seeds	200 seeds
<u>Giant Victorious (New 1954)</u>								
Formula Mixed Colors	\$350.00	90.00	46.59	23.75	12.25	\$1.80	.95	.35
<u>Victorious</u>								
Amaranth Red	250.00	65.00	33.59	17.50	9.25	1.20	.65	.25
Attraction	275.00	72.00	37.50	19.25	10.25	1.30	.70	.25
Clear Pink (New 1954)	300.00	80.00	41.50	21.25	10.75	1.55	.80	.30
Gaiety	400.00	103.00	53.25	27.45	14.15	2.05	1.10	.40
Blue Brocade	275.00	72.00	37.50	19.25	10.25	1.30	.70	.25
Loveliness	275.00	72.00	37.50	19.25	10.25	1.30	.70	.25
Prima Donna	300.00	80.00	41.50	21.25	10.75	1.55	.80	.30
Pure White	275.00	72.00	37.50	19.25	10.25	1.30	.70	.25
Rosy Carmine	275.00	72.00	41.50	19.25	10.25	1.30	.70	.25
Illumination	300.00	80.00	41.50	21.25	10.75	1.55	.80	.30
Mixed Colors	250.00	65.00	33.50	17.50	9.25	1.20	.65	.25
<u>Triumphant Giant Fl. Mixed</u>								
	125.00	32.00	161.50	8.75	4.75	.95	.50	.20
<u>Dwarf Colossal</u>								
Mixed Colors	150.00	38.00	19.50	10.25	5.75	.75	.40	.15
PRICES F.O.B. YOKOHAMA-DELIVERIES BY AIR MAIL AT NOMINAL COSTS								

Novelties and Items of Special Merit

Here we have listed various indoor and outdoor flowers seed which can be recommend.

SAKATA'S F₁ HYBRID PETUNIAS

Uniformity of growth, habit and color of flower combined with extremely vigorous growth are the main characteristics of F₁ Hybrids in Petunias. Its popularity has greatly increased recently. After making hundreds of cross pollinations, have selected a few noteworthy strains which are herein offered.

All of the F₁ Hybrid Petunias we are listing are not only uniform in color but are marvelously even in their dwarf compact growth. Moreover, such hybrids have striking vigor not generally found in straight varieties. Thus they remain much longer in bed or in pot than the non-hybrid sorts.

Petunia Large-Flowered Dwarf Single Fringed and Plain Edged F₁ Hybrid Strains

Our Large-flow-ering F₁ Hybrid Petunias, both fringed and non-fringed are dwarf and compact making shapy, ball-shaped growth in addition to the hybrid vigor. Photo shows how some of them look like.



*Petunia Large-Flowered Dwarf Single
Plain Edged F₁ Hybrid*

Grandiflora Dwarf Fringed Salmon Orange (F₁ Hybrid)

\$ 75.00 per oz.

Large fringed flower measuring 3-3½" across. Height 10". Color very much like Tango but just slightly lighter, with larger flower and may be more fringed.

Grandiflora Dwarf Plain Edged Blue and White (F₁ Hybrid)

\$ 75.00 per oz.

Fairly large-flowered (3" across) with dwarf growing habit. White ground color marked rich blue. Extremely uniform both in habit and marking.

Grandiflora Dwarf Plain Edged Salmon-Pink (F₁ Hybrid)

\$ 75.00 per oz.

Fairly large-flowered (3" across) with beautiful light salmon pink color which is very uniform. Height not more than 8" with compact growth. 30 % of flowers are plain edged rest 70% shows some fringing.



*Grandiflora Dwarf Fringed
Salmon Orange and White*

Grandiflora Dwarf

Fringed Salmon

Orange and White

(F₁ Hybrid)

\$ 75.00 per oz.

Everything similar to the above but in color which has white variegation instead of one color. The sharp contrast of bicolor is quite fascinating.

Grandiflora Dwarf

Plain Edged Clear

Pink (F₁ Hybrid)

\$ 75.00 per oz.

Another dwarf compact growing type with clear pink color. Flowers measure full 3" across. Height is about 9". Robust and compact growth.



*Grandiflora Dwarf Plain Edged
Clear Pink (F₁ Hybrid)*

Grandiflora Dwarf Plain Edged Carmine Rose (F₁ Hybrid)

\$ 75.00 per oz.

Fairly large flower measuring 3" across with brilliant carmine rose color. Robust dwarf grower. Height not more than 8". Very uniform in color as well as in habit.

Grandiflora Dwarf Plain Edged Salmon Scarlet (F₁ Hybrid)

\$ 100.00 per oz.

Dazzling salmon scarlet with golden throat. Flower 2½-3" across. Height not more than 9". Extra early flowering. Dwarf and uniform.

Petunia Hybrida Nana Compacta, F₁ Hybrid Stains

These F₁ Hybrids are common dwarf single Petunias, but with extra uniformity of growing habit as well as color of flower. On appearance of "Silver Medal" the merit of F₁ Hybrid became greatly recognized. They are, as rule, far much vigorous than ordinary varieties and thrive nicely under adverse conditions. Our trial shows such F₁ Hybrids remain much longer in bloom than others.

Pink Beauty

Beautiful pink in the way of "First Lady," richer in color and darker toward center. White throated. Quite large flowers 2½ inches across. Dwarf and compact. Vigorous grower. Height 14 inches.

Per oz. \$ 35.00

1/4 oz. \$ 10.50

1/8 oz. \$ 5.80

Brilliant Crimson

Brilliant crimson red with carmine shade. Probably the brightest colored of all red Petunias. Height 10 inches. Straight and compact grower. Quite a large flower measuring 3¾ inches across. Vigorous.

Per oz. \$ 35.00

1/4 oz. \$ 10.50

1/8 oz. \$ 5.80

Pink Queen

Extra large-flowering pink, 3 inches across, clearest pink with rounded petals. Uniform in color. 13 inches in height, straight and compact grower. Highly recommended on account of color and size of flower. Creamy throated.

Per. oz. \$ 35.00

1/4 oz. \$ 10.50

1/8 oz. \$ 5.80

NEW FIXED VARIETES

Petunia Hybrida Nana Compacta

Nana Compacta Little Violet Star

Height not more than 7" with branching compact habit. Color, very rich violet-purple ground with white star. By comparing it to Elk's Star we found a wide difference in its ground color. Size of flower measured 2" across. Very uniform in color and growth.

Per lb. \$ 50.00

Per oz. \$ 5.00



*Petunia Hybrida Nana Compacta
Little Violet Star*

Petunia Hybrida Nana Compacta (Continued)

Nana Compacta Elk's Star Improved

Height 12" and decidedly larger flowered and trifle taller than regular Elk's Star, with uniform marking and bushy growth.

Per lb. \$ 50.00 Per oz. \$ 5.00

Nana Compacta Blue Gem

Height 12" with branching and bushy growth. Color, same deep violet blue as those of Blue Bird, Alderman, but dwarfer and more floriferous. We think this is an improved strain over other varieties.

Per lb. \$ 50.00 Per oz. \$ 5.00

Nana Compacta Salmon Red and White

Height not more than 8." Makes ball shaped compact growth. Flowers which cover the whole plants are not large ($1\frac{3}{4}$ ") but beautifully variegated with brilliant orange scarlet and pure white. The most fascinating color to look at.

Per lb. \$ 100.00 Per oz. \$ 10.00

Nana Compacta Coral Red

Height 8" to 9", dwarf. Ball shaped growth. Bright coral red darker toward center.

Per lb. \$ 100.00 Per oz. \$ 10.00

Hand Pollinated Petunia Seeds

Even in small-fl. Petunias some of our friends may require absolutely perfect strains. Finding that we can not get such tip top grade by growing them in field have started to save seeds by hand pollination under glass. Such seeds are always not only true to color but perfectly even in their growth. For very critical trade where quality comes first such hand pollinated seeds may be useful. Anybody who is interested in such hand pollinated seed must give us order by March 15 selecting any varieties out of our list.

Prices for such seed will be :

\$ 12.00 per oz. for **Tall varieties**

\$ 15.00 per oz. for **Nana Compacta varieties.**

F₁ HYBRID ANTIRRHINUMS



*Sakata's F₁ Hybrid
Snapdragon No. 55*

For the past five years we have been carefully studying Forcing Snaps in the hope of finding some good F₁ Hybrids which found to have marked hybrid vigor. In most cases such F₁ hybrids grow much taller with stronger stems than fixed varieties which makes them suitable for greenhouse cut flowers.

As a result of such extensive breeding, we have found at least a few dozens of suitable F₁ Hybrids out of which we have selected a few best. We now are happy to offer such Hybrid strains at rather reasonable prices considering the work we have gone through.

We can ship newly harvested seed in the beginning of July and by shipping them via air the seeds will reach most parts of the U. S. A. a week later.

Pure White No. 50

Mid-season to late, but slightly earlier than "Snow Hybrid" with smooth looking flowers. True pure snow white with more flowers and long closely set spikes. We think this is one of the best whites. Has marked hybrid vigor.

Rose No. 51

Rich bright rose, very much similar to "Better Times" but just a bit lighter. Mid-season variety with heavy long stalks to which the beautiful flowers are profusely borne. Very easy to grow. One of the best bright roses.

Amaranth Red No. 55

Ridgway's "Velvety Aster Purple." Late type with extra long flower stalk which is very heavy. Flowers in profusion around the long stem. Somewhat resembles to "Shisler's Red" but far brighter colored with larger and taller growth.

Bronze No. 56

Brilliant orange bronze corresponding to Ridgway's "Scarlet." Very long strong spike with plenty of flowers. Intermediate variety with marked hybrid vigor.

Bronze No. 53

Lighter color than No. 56 corresponding to Ridgway's "Orange-chrome." Very long strong spikes. A midseason variety. Very bright in color. Has good hybrid vigor. Resembles "Barbara" in color.

Lavender No. 54

Ridgway's "Tourmaine Pink" or showy orchid lavender which are densely borne on very long heavy stalk. Earlier flowering than most lavenders. Has decided hybrid vigor.

F1 Hybrid Antirrhinums (*Continued*)

Red No. 58

Bright scarlet crimson. One of the best reds with noticeable hybrid vigor. Long spikes with abundance of flowers.

Yellow No. 60

Early variety. Trifle lighter than "Goldrush" but with equally long flower spikes with plenty of flowers which are closely set. Requires less temperature than other similar strains.

Prices for all the above

Per lb. \$ 450.00

Per oz. \$ 45.00

BALSAM, True Camellia-flowering T.S. Superfine Strain

Ours are true Camellia-flowering doubles which have once disappeared from the market.

(See page 26 for prices)

BEGONIA, Evansiana

Probably the hardiest of all Begonias. They can go through undestroyed underground in sub-zero temperature.



Begonia Evansiana



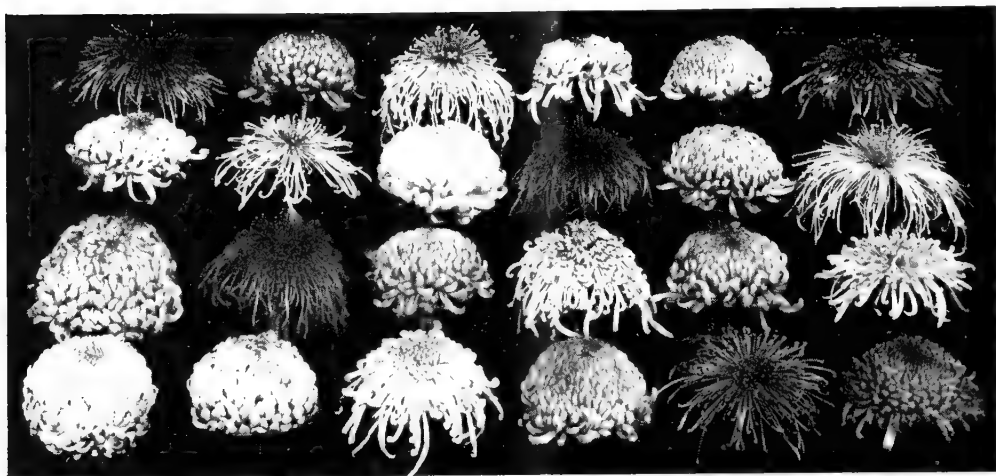
*Balsam True Camellia-fl.
T. S. Superfine Strain*

Grows 2 feet making tubers. Lovely clear pink flowers in clusters. Likes half shady place.

Per oz. \$ 35.00

1/4 oz. \$ 9.00

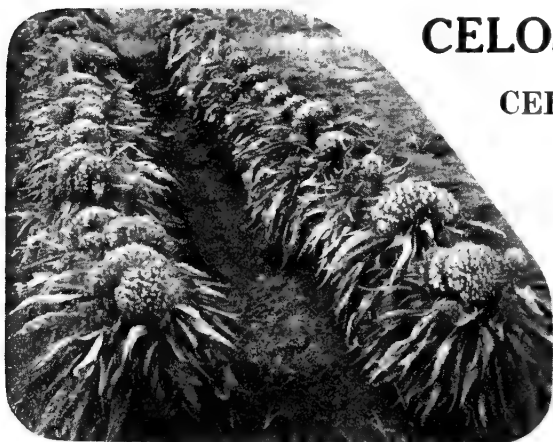
Large-Flowered Double Chrysanthemum From Seed



Large-Flowered Double Chrysanthemum

You will be highly pleased to plant our large-flowering Chrysanthemum seeds. Good many of them, not only are very large-flowered, but fully doubled in extensive colors generally found in them. Out of our seeds new and valuable commercial varieties could be found.

Japonicum	large Anemone-fl. mixed colors	...	(Per 100 seeds \$ 0.50)
"	incurved flower, mixed colors	...	(Per 100 seeds \$ 0.50)
"	medium sized pompon mixed colors	...	(Per 100 seeds \$ 0.50)
"	spider type, mixed colors	...	(Per 100 seeds \$ 0.50)



Celosia Cristata Nana Dwarf Fire Brand

CELOSIA

CELOSIA, Cristata Nana Dwarf Fire Brand (new)

Uniformly dwarf with large scarlet crimson comb. Marvelously uniform in its dwarf growing habit.

Per lb. \$ 15.00 Per oz. \$ 1.50

CELOSIA, Cristata Semi-Dwarf Red and Gold (new)

15" with large comb. Golden yellow striped bright crimson. A unique but fascinating color.

Per lb. \$ 30.00

Per oz. \$ 3.00

CELOSIA, Cristata Semi-tall Multiflora Crimson Scarlet

Instead of making single comb this throws out many medium size combs, making pyramidal shape. Very showy as it grows up to fairly large plant (2½ ft). Very attractive.

Per lb. \$ 7.00

Per oz. \$ 0.70

CELOSIA, Pyramidalis Crimson

Similar to "Flame of Fire" but with rich amaranth red color. A new color to the group. Rather dwarf 8".

Per lb. \$ 15.00

Per oz. \$ 1.50



Celosia, Cristata Semi-dwarf Red and gold

CELOSIA,

Pyramidalis Globe of Gold

The same type and habit to "Flame of Fire" but with golden yellow color. A new color.

Per lb. \$ 15.00

Per oz. \$ 1.50

CELOSIA, Plumosa

Thompsoni Magnifica Extra Selected Mixed Colors

Improved Thompsoni Magnifica. Our strain is outstanding in quality. In formula mixed colors of scarlet, crimson and golden yellow and some intermediate shades.

Per lb. \$ 6 00

Per oz \$ 0.60

CELOSIA, Plumosa Thompsoni Magnifica

Extra Selected Brilliant Shiny Crimson

Per lb. \$ 7.00

Per oz. \$ 0.70

CELOSIA, Plumosa Thompsoni Magnifica

Extra Selected Brilliant Shiny Golden Yellow

Per lb. \$ 7.00

Per oz. \$ 0.70

CELOSIA, Plumosa Thompsoni Magnifica

Extra Selected Brilliant Shiny Orange Scarlet

Per lb. \$ 7.00

Per oz. \$ 0.70

COLEUS



Coleus Large Leaved and Rainbow

Coleus, Rainbow Formula Mixture

We are growing them under separate colors so are making special high quality formula mixture for critical trade. Can also supply separate colors such as red shade, creamy white edged green, old gold edged green, striped leaved, amaranth red bronze edged.

Formula mixed colors	Per lb. \$ 40.00	Per oz. \$ 4.00
Separate colors	" " 60.00	" " 6.00

COLEUS, Large Fancy Leaved Formula Mixture

Only large leaved fancy colors in splendid and wide range of colors. We make mixture on definite formula. We also grow them under the following straight varieties, red shade dark edged, copper red, soft green with gold dust, scarlet shade. If separate colors desired kindly write.

Formula mixed colors	Per lb. \$ 40.00	Per oz. \$ 4.00
Separate colors	" " 60.00	" " 6.00

COSMOS, Orange Flare Tetra, Giant-flowered

Much larger flowered than ordinary strain. Also quite an early flowering.

Per lb. \$ 10.00	Per oz. \$ 1.00
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COSMOS, Orange Ruffles, Tetra (Novelty)

Like single Tetra, this has very large flowers. Being duplexed it looks much showy than single.

Per lb. \$ 25.00	Per oz. \$ 2.50
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*Cosmos Orange Ruffles Tetra double (right)
as compared with ordinary double (left)*

MORNING GLORY

New Climbing Scarlett O'Hara Morning Glory

Exactly same flower to the origin, the same bright color, size and dayblooming habit. The only difference is its climbing habit as it climbs like common Morning Glory from the start. This new climbing strain will double the popularity of the popular Morning Glory.

Per lb. \$ 3.00 Per oz. \$ 0.30

Japanese Imperial Super Giant Strains

Most flower lovers who visited Japan were astonished to see gigantic Morning Glory mostly grown in pots. 8 inches across is not uncommon, in varied colors such as brilliant red, rose, pink, white, purple, light blue and innumerable intermediate colors. Commonly, they are grown outdoors in 6 inch or larger pots mostly pinched and shaped into bushy form. When they bloom, they bring them indoors to admire and the gigantic flower will last well into 2 to 3 o'clock in the afternoon. After that they are to



New Climbing Scarlett O'Hara

be carried outdoors. Our breed will prove to be the most gigantic flowers in extensive color assortment. They can be grown outdoors as in ordinary Morning Glories although the largest flowers can be seen in pot culture.

Mixed Colors Per lb. \$ 10.00 Per oz. \$ 1.00

Separate Colors in pink, crimson white margined, rose pink, amaranth-red, rich purple violet, sky blue, pure white, chocolate.

Per lb. \$ 15.00 Per oz. \$ 1.50

PHLOX, Globe Mixed Colors (Award of Merit A. A. S.)

Extra dwarf globe shaped new Phlox of great merit. This new strain has been found by us many years ago and ever since we bred them to add color and fertility. We underwent years of breeding in our breeding farm in the hope of sending it to the All-America Selections. However, the war stopped our doing so. They cover such colors as red, rose, pink, white, violet, yellow and many intermediate shades.

Per lb. \$ 25.00 Per oz. \$ 2.50

VEGETABLE SEEDS

1954 Crop Contract Prices

Prices for net weights, f. o. b., Yokohama. packing extra at cost

We are also able to supply extensive varieties of Japanese and Chinese Vegetables not appearing in this list. Enquiries invited.

All prices subject to change

For large quantities please write for special quotations

CELERY CABBAGE (*Pe-tsai*)

Per lb

Improved Peking or Chihili \$ 0.30

Makes torpedo shaped head, long and pointed at the top. The head is crisp and of fine flavor. While the yield is not very heavy, it is easily cultivated and matures very early. Very popular in the United States.

Chokurei 0.35

This is a straight leaf or open heading type, tall growing and can be compared to Cos Lettuce in appearance. Very easy of cultivation and a heavy cropper. This is the variety which is often called Pe-tsai.

Market Pride 0.35

Early and easy of culture, but produces head much more tender than other types. Not very large, but measures 8 inches in diameter and 14 inches in height. Light green in color. Its earliness and easy cultivation made this one of the most popular Pe-tsai now under cultivation. Although late summer or early autumn sowing is best, this variety may also be well adopted for spring sowing.

Paoting 0.35

An improved type of Wong Bok which forms a large solid head of very fine quality, often weigh 15 pounds. Stands long before bolting to seed. One of the best market varieties.

Shantung 0.35

A variety of Pe-tsai which is easy of culture, forming a large long head with light green leaves and pure white heart.

Spring Giant 0.35

If the spring is long, it can be grown for summer use. Seed sown in late March will make a head of about 6-7 lbs. in June. Also can be sown in summer as ordinary Pe-tsai cabbage, then they make large solid head.

Che-foo 0.35

This is one of the largest Pe-tsai, easily measuring 9 inches in diameter and 14 inches in height. The head is very solid and of excellent texture. The most prolific variety and a very popular market type.



*Celery Cabbage
Improved Peking
or Chihili*

CELERY CABBAGE, *Continued*

Per lb

Wong Bok \$ 0.35

The most popular variety of Pe-tsai forming a large firm head. A good market variety.

Kashin 0.35

Loose-headed variety with white centers.
Heavy yielder with white tender center leaves which supplies a good salad.

Katoh 0.35

A straight grower like Chihili, but not quite solid headed. Grows much larger with dark green leaves which are very delicious. A heavy yielder.

CHOPSUY GREEN (*Shungiku*)

Chopsuy Green or Shungiku 0.45

This is one of the most important oriental greens belonging to the Chrysanthemum family. Highly valued because of its aromatic flavor. It is harvested when plant is 4-5 inches high and is cooked like Spinach. Very easy of culture.



Celery Cabbage, Wong Bok

CUCUMBER

Green Giant 2.00

A very hardy disease resistant variety. The fruit is dark green, slender, 8-10 inches long, 1½ inch in diameter, with a few brown spines. Very prolific.

Japanese Green Climbing 3.00

An early and prolific variety. The fruits are borne on almost every axil, pale green and comparatively smooth skinned.

Suyo 5.00

Dark green, long hardy and resistant to diseases. Flesh crisp. Skin somewhat irregular.

Extra Long (Yamato) 3.00

Green, comparatively smooth and very long, often reaches 2 feet.

EGG PLANT *F₁ Hybrid (See Page 21)*

Early Purple 3.50

Very prolific variety, fruits are medium sized among Japanese varieties, rather elongated, measuring 4 inches in length. Color dark shiny blackish purple.

Long Purple 3.50

A prolific long fruited variety. Fruits are 6 to 8 inches long and not exceeding 1 to 1½ inches in diameter. Deep purple.

Round Purple 3.00

Fruits round and deep purple colored not unlike Black Beauty or New York Purple, but smaller in size weighing about a quarter pound when fully ripe. A heavy bearer.

GOURD (*Edible*)

Round Butter Vine Gourd 1.50

Very large fruited and greenish skinned. Keeps very long and can be preserved for winter use. Flesh is whitish and has no special taste, but is valuable for stew, soup, and for other cooking purpose. Especially good when cooked while fruits are young.

Long Butter Vine Gourd 1.50

Long shaped fruit of the above type.

JAPANESE MELON OR CANTALOUPE

Per lb

Early White Pear (white fleshed) \$ 3.00

Large egg shaped Japanese melon or a cantaloupe, measuring about 6 inches in length and 4 inches in diameter. Skin yellow and smooth, flesh white. Juicy and very hardy and prolific.

Early Golden Pear, large 3.00

Early Golden Paar, small 3.00

JAPANESE PARSLEY

Japanese Parsley, Mituba 0.50

This is a perennial plant which throws up long tender leaf stalks with three heart-shaped leaves at the ends. Has special flavor and is excellent for salad and soup. Will produce more tender, sweeter and long white stalks when bleached like celery.

MUSTARD

Japanese White Celery Mustard 0.25

Its use as green vegetable in northern districts of Japan is quite immense. It grows up to 1½ feet in height. Lower part of leaf stalk is pure white and is very thick forming a bulbous shape.

Mustard Spinach or "Tendergreen" ... 0.20

As all its name implies, a very mild Mustard with a creamy spinach flavor.

Chinese Pac-Choy 0.50

Looks like miniature Swiss Chard with thick glossy leaves with mustard flavor. Tender and delicious when cooked. Useful for Chop-suy dinner.

Savoy-leaved 0.60

Savoy-leaved glossy mustard with flattened growth. A favorite vegetable among Chinese.



Mustard Spinach

Seliphon 0.60

With distinct mustard flavor. Dark green abundant leaves which is quite distinct to other mustards. Delicious to eat, either raw or cooked.

Chinese Large Leaved Mustard 0.50

ONION

Sakata's Evergreen Hardy Long

White Bunching 1.20

Now a standard vegetable and one of the most important introductions in recent years. It is hardy almost everywhere in the States. Can be planted in spring and fall. We are told that the trials in the New England States by a public experiment station showed Evergreen Bunching Onion tubes are completely resistant to thrips.



Sakata's Bunching Onion

RADISH

Per lb

All seasons (Tokinashi) \$ 0.45

The most useful variety for all season culture, especially adopted for summer culture. Roots are white, and flesh brittle and firm measuring about 1 foot long and 2 inches in diameter. Pure white.

Mino Early 0.45

An early maturing long variety, measuring about 2 ft. long and 3 inches in diameter. Pure white.

Miyashige Long

Very fine variety which grows about 15 inches long and 3 inches in diameter, color white, but greenish at the neck. Flesh is tender, brittle and sweet.

Stump-rooted 0.40

Pointed-rooted 0.40

White Neck, white all way through 0.40

Nerima Long

Important market variety. Very long, narrow at the neck measuring well over 2 ft. in length and 2 inches in diameter. Flesh is snow white, brittle, and a good keeper.

Stump-rooted 0.40

Pointed-rooted 0.40

Nerima Giant

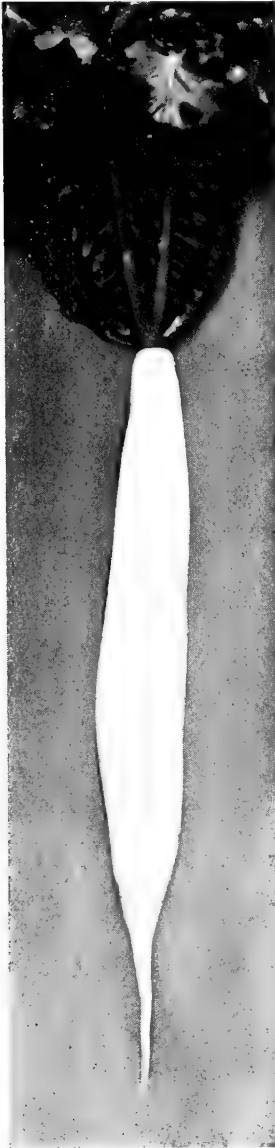
Improved 0.40

A fine variety suitable for late sowing. In mild climate it can be kept until spring in the field if well earthed up. Shape something like that of White Icicle, but decidedly larger, measuring about one and a half foot long, weighing nearly 8 pounds when well grown.

Sakurajima

Mammoth 0.60

The most gigantic Radish now in cultivation. A late maturer, but grows to an immense size, often weigh over 50 lbs. Very good for cooking and also for feeding cattle.



Nerima Giant

Shogoin Round Giant 0.40

Turnip shaped, large and globular and very prolific. Roots weighing 4-5 pounds. Excellent for cooking.

Summer Radish 0.40

Best variety for summer culture, about 2 ft. long and 3 inches in diameter. Conical shaped. When sown in early spring, they can be harvested in late summer or early autumn. Pure white.



Shogoin Round Giant

SQUASH

	Per lb
Species Hybrid Wonder Squash (see page 22)	\$ 10.00
Aizu Early	1.50
Extra early, small-fruited, green and white when young. Very sweet.	
Higata Early	1.50
Very early. In warm climate fruits are harvested already in May. Green skinned.	
White Kikuza	1.50
White-skinned, good quality.	

SWISS CHARD

Japanese Swiss Chard	0.25
An early strain resembling the English variety with abundant oval shaped leaves. 4 inches wide and one foot long. Used just like ordinary Swiss Chard.	

SMALL-FRUITED TOMATOES

Golden Husk (Strawberry)	2.75
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SAKATA'S FOLIAGE TURNIP

Sakata's Foliage Turnip (Improved Shogoin)	0.25
Introduced by us years ago and now found to be one of the established vegetables. We can still supply the highest quality.	
Tennoji	0.25
Roots are just as large Shogoin, but more flattened with smooth white skin.	
Yorii, Early Flat Spring Turnip	0.25
A very fine Turnip good for both autumn and spring sowing. Roots are rather flattened, about 4 inches in diameter and 2 inches in depth, pure white and with smooth silky skin. Tops are also very good. Becoming popular every year.	
Crimson Globe	0.45
Roots round measuring about four inches in diameter and of beautiful crimson color. Leaves also are of dark crimson color. Has special fine flavor.	
Tokyo Market	0.45
A small but excellent Turnip largely grown for the market around Tokyo. The roots are pure white, measure about 1½ inches in diameter and 1 inch in depth, but when fully grown they reach 3 inches or over in diameter. The flesh is solid, but tender and very sweet when cooked. One of the most popular varieties in the States. We can supply excellent quality.	

VEGETABLE SPAGHETTI

Vegetable Spaghetti	1.50
Introduced by us and found to be very popular on account of it's interesting quality. Boil matured fruits for about 20 minutes and you will find whole inside comes off just like spaghetti which can be eaten like a salad.	

F₁ HYBRID VEGETABLE SEEDS AND SEEDLESS WATERMELON, ETC.



Hybridizing Egg Plant

We can produce F₁ Hybrid seeds at attractive prices and if parents seeds are furnished by you, can assure you of the privacy of your stock seed as well as the accuracy of hand pollination: 37 years of reputation is in back of our business. Please entrust us with your 1954 requirements.

Contract growing prices for 1954 Crop F₁ Hybrid Vegetable Seeds to be grown out of your

parent stock seeds which must reach us by early spring, 1953:

Prices when parent stock seeds are furnished by the buyers					Price Per Lb., FOB, Yokohama
TOMATO	F₁ Hybrid, hand pollinated				\$ 40.00
PEPPER	"	"	"	"	45.00
WATERMELON	"	"	"	"	15.00
EGGPLANT	"	"	"	"	40.00
SQUASH	"	"	"	"	15.00
MUSK MELON	"	"	"	"	35.00

F₁ Hybrid Vegetable Seeds of Our Own

We invite inquiries on F₁ Hybrid Vegetable seeds. Also apply prices to Herbst Brothers for quick reply.

About Japanese F₁ Hybrid Egg Plant

The character of native Egg Plants is mostly in the size of fruit. They are generally very small comparing European varieties but are very early maturer and highly disease-resistant. When they are picked in young stage, they taste just like ordinary Egg Plant. Who are not used to such small fruits are liable to leave them too long in the field resulting to spoil the taste altogether.

F₁ Hybrid No. 1 \$ 15.00 per lb.

Extra early, velvety black, oblong, small fruited. Vigorous and prolific.

F₁ Hybrid No. 2 \$ 15.00 per lb.

Longer than No. 1 Hybrid, equally early, vigorous and prolific.

Red Skinned F₁ Hybrid Tomato

Knowing U. S. market is interested mostly in bright red colored, we have studied many popular U. S. tomatoes. As a result, have selected several thoroughbred strains suitable for such hybrid use. One must use such selected strains to produce well fixed F₁ Hybrid. We have real fine strains in Rutgers, Valiant, Earliana and Pritchard. All of them can be safely used to produce excellent F₁ Hybrids. The following are some of our own F₁ Hybrids.

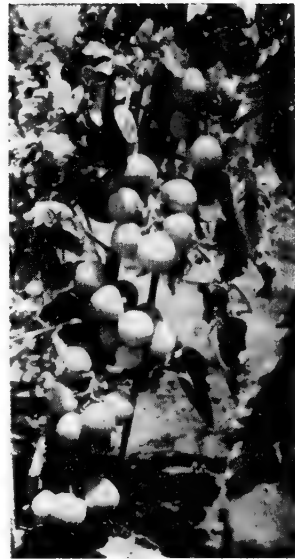
Red F₁ Hybrid No. 21

Medium early, height medium. Heavy cropper.

Red F₁ Hybrid No. 22

Medium early, larger fruited. Slightly short in height.

Any of the aboves \$ 45.00 per lb.



Tomato Red F₁ Hybrid

Pink Skinned F₁ Hybrid Tomato

Pink F₁ Hybrid No. 1

Ponderosa pink, round, slightly flattened. Weigh about $\frac{1}{4}$ pound. Highly disease-resistant, abundant bearer.

Pink F₁ Hybrid No. 2

Same shapy pink, larger fruited than No. 1 and early maturer. Also highly disease-resistant and productive strain.

Pink F₁ Hybrid No. 3

Medium fruited ($\frac{1}{4}$ lb) pink, round shaped, disease resistant variety. Good cropper.

Pink F₁ Hybrid No. 4

Large fruited pink of Ponderosa type. But far better shaped and heavier cropper. Each fruit weighs about $\frac{3}{4}$ lb.

Any of the aboves \$ 35.00 per lb.

WONDER SQUASH (A species hybrid)

F₁ Hybrid between different species that is Pepo maxima (such as Hubbard, Delicious, etc.) and moschata (most of our native squash represent it) and are extra vigorous and disease resistant. The fruit which is globular weigh about 4-5 lbs. with dark green mottled skin.

Our trial shows about 2 times heavier in yield as compared to the parents. Has tough skin and can be stored for a long time. The meat is dry and sweet.

\$ 10.00 per lb.

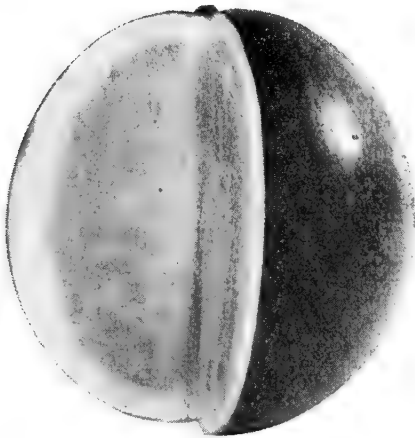
TETRA F₁ HYBRID WATERMELON No. 1

F₁ Hybrid between two tetraploid parents in ice box size, weighing about 7-8 lbs. Round, thin, but rather tough rinded which is light green striped darker green. The flesh is bright rose and is extremely sweet (13% sugar content) and has fine texture. It has only a few seed, not more than 30-50 per fruit.

Very early maturing which enables them to grow even in the Northern States. The important advantage of this new melon is the high resistancy against all kinds of diseases, especially against anthracnose.

\$ 100.00 per lb.

The Seedless Watermelon



*Seedless Watermelon No. 4
Straight Green*

seedless though the seed has no inside.

We have done extensive breeding so as to produce only high quality strains, which have the most undeveloped seed coat, combined with high grade eating quality.

Another advantage of Seedless Watermelon (Triploid Watermelon) is its high disease resistant, vigorous growing habit commonly noticed in F₁ Hybrid strains. Seedless Watermelon is actually an F₁ Hybrid. A hybrid between Tetraploid and Diploid.

On going over our trial ground we found out the most resistant vine is the Tetraploid, then Triploid (Seedless Vine), ordinary diploid (Common Watermelon) vine runs out first. It is so conspicuous that anybody who

The fruit of real good Seedless Watermelon has only a trace of seed just like those of young cucumbers. Anybody can eat whole inside without feeling any seed. We also found out that when one gets used to eating Seedless Watermelon he does not feel like eating ordinary Seedy Watermelon.

Inferior strain of Seedless Watermelon has too distinct seed coat, often colored. Such cannot be called



*Seedless Watermelon No. 13
Green Striped*

THE SEEDLESS WATERMELON (*Continued*)

inspected the trial field was astonished. It is a known fact the seedless plants withstand against common fungi which attacks them such as Fusarium, Anthracnose etc. It is also proved that the crop of Seedless Watermelon is generally 30% to 50% heavier than the parents or ordinary seedy one. It is also noted that the rind of Seedless strains is tougher than ordinary types of same thickness, thus increasing the shipping quality.

The sugar content or sweetness is higher than ordinary Watermelon. After careful researches it was proved that the sugar content is the highest in Tetraploid, then Triploid (Seedless) and then diploid or ordinary Watermelon. This is for the same variety.

The drawbacks of the Seedless, is, first, its requirement of high temperature to germinate the seed, 80 degrees Fahrenheit is its optimum temperature, second, slow growth in the start, though once starts growing it grows rapidly and vigorously, third, its requirement of pollen-plant in the quantity of about 10% to 20%. Seedless strain does not bear fruits by itself. However, if such Seedless Watermelon vines are planted near ordinary Watermelon field, then no special Pollen plants are necessary. The bees will carry pollen from other fields. The first fruits generally show slightly noticeable seed coats than the following fruits.

We are offering only the best two strains which we selected out of our extensive trials which extended over several dozen varieties:

Seedless Watermelon No. 4

(Straight Green, Not Striped)

10-15 lbs., round, flesh deep rose red. Very sweet, rind thin 3/4 inch. Vigorous grower.

\$ 100.00 per lb.

Seedless Watermelon No. 13

(Green Striped)

12-15 lbs., round, flesh deep rose, very sweet, rind thin 3/4 inch. Vigorous grower.

\$ 100.00 per lb.



A partial view of our Breeding Farm

FLOWER SEEDS

(Novelties & Specialties pages 6 to 15)

NOTICE

For any items in this catalog, 4 ozs. or over the pound rate is allowed

											Per oz	Per lb
ACROCLINIUM												
double mixed colors	...	...	...	...	...	...	...	...	...	...	.20	2.00
AGROSTEMMA												
coronaria (Rose Champion) red	...	...	...	...	...	...	...	...	...	...	.10	.70
" " mixed colors	...	...	...	...	...	...	...	...	...	...	.10	.70
AMARANTHUS												
choice sorts mixed, mixture of fancy leaved amaranthus	...	...	...	...	...	...	...	...	...	...	.10	.60
caudatus (Love-Lies-Bleeding)	...	...	...	...	...	...	...	...	...	...	.05	.35
caudatus, Crimson Pygmy, very dwarf	...	...	...	...	...	...	...	...	...	...	.15	1.50
Molten Fire, leaves dark bronze, center Poinsettia red	...	...	...	...	...	...	...	...	...	...	.30	3.00
salicifolius (Willow-Leaved Amaranthus)	...	...	...	...	...	...	...	...	...	...	.30	3.00
Sunrise, bright bronzy foliage	...	...	...	...	...	...	...	...	...	...	.30	3.00
Tricolor Splendens	...	...	...	...	...	...	...	...	...	...	.25	2.50
AMPELOPSIS												
Veitchi, (Boston Ivy) clean seed...	...	...	...	...	...	...	...	...	...	...	.15	1.50
ANCHUSA												
capensis, Blue Bird, vivid indigo blue	...	...	...	...	...	...	...	...	...	...	.15	1.50
" Sky Blue	...	...	...	...	...	...	...	...	...	...	.15	1.50
italica Dropmore, perennial Anchusa	...	...	...	...	...	...	...	...	...	...	.20	2.00

F₁ HYBRID ANTIRRHINUMS

(See pages 10 to 11)

Pure White No. 50	...	...	...	...	...	...	...	...	...	...	45.00	450.00
Rose No. 51	...	...	...	...	...	...	...	...	...	...	45.00	450.00

F1 HYBRID ANTIRRHINUMS (Continued)

											<i>Per oz</i>	<i>Per lb</i>
Bronze No. 56	...	...	...	...	...	...	...	...	...	...	45.00	450.00
Bronze No. 53	...	...	...	...	...	...	...	...	...	...	45.00	450.00
Lavender No. 54	...	...	...	...	...	...	...	...	...	...	45.00	450.00
Amaranth Red No. 55	...	...	...	...	...	...	...	...	...	...	45.00	450.00
Red No. 58	...	...	...	...	...	...	...	...	...	...	45.00	450.00
Yellow No. 60	...	...	...	...	...	...	...	...	...	...	45.00	450.00

AQUILEGIA

long spurred mixed colors, selected quality	...	...	...	...	...	...	...	...	...	...	.75	7.50
double-fl. mixed colors	...	...	...	...	...	...	...	...	...	...	.20	2.00

ASTER

tall double-fl. mixed colors	...	...	...	...	...	...	...	...	...	...	.25	2.50
tall single & double mixed colors	...	...	...	...	...	...	...	...	...	...	.15	1.50
Queen of the Market mixed colors	...	...	...	...	...	...	...	...	...	...	.30	3.00
Giants of California mixed colors	...	...	...	...	...	...	...	...	...	...	.50	5.00
Giant Comet mixed colors	...	...	...	...	...	...	...	...	...	...	.40	4.00
branching mixed colors	...	...	...	...	...	...	...	...	...	...	.30	3.00
Ostrich Feather mixed colors	...	...	...	...	...	...	...	...	...	...	.30	3.00
Peony-fl. finest mixed colors	...	...	...	...	...	...	...	...	...	...	.50	5.00
Crego Giant mixed colors	...	...	...	...	...	...	...	...	...	...	.35	3.50
" " Blue Flame	...	...	...	...	...	...	...	...	...	...	.40	4.00
" " lavender	...	...	...	...	...	...	...	...	...	...	.40	4.00
Crego Giant crimson	...	...	...	...	...	...	...	...	...	...	.40	4.00
" " peachblossom	...	...	...	...	...	...	...	...	...	...	.40	4.00
" " rose-pink	...	...	...	...	...	...	...	...	...	...	.40	4.00
" " shell pink	...	...	...	...	...	...	...	...	...	...	.40	4.00
" " white	...	...	...	...	...	...	...	...	...	...	.40	4.00
Pompon finest mixed colors	...	...	...	...	...	...	...	...	...	...	.60	6.00
Imbricated Pompon scarlet	...	...	...	...	...	...	...	...	...	...	.50	5.00
Princess finest mixed colors70	7.00

BALLOON VINE (Cardiospermum halicacabum)15	1.20
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BALSAM (See page 11)

single & double mixed colors10	.90
double-flowered finest mixed colors20	2.00
true double Camellia-fl., finest mixed colors, extra selected	...	...	...	...	...	...	...	...	...	...	.30	3.00
" " " rose pink, extra selected	...	...	...	...	...	...	...	...	...	...	.35	3.50
" " " purple violet, extra selected	...	...	...	...	...	...	...	...	...	...	.35	3.50
" " " scarlet, extra selected	...	...	...	...	...	...	...	...	...	...	.35	3.50
" " " scarlet spotted white, extra selected	...	...	...	...	...	...	...	...	...	...	.35	3.50
" " " pure white, extra selected	...	...	...	...	...	...	...	...	...	...	.35	3.50
bush growing dwarf, mixed colors, extra selected	...	...	...	...	...	...	...	...	...	...	.40	4.00
" " " rose, extra selected	...	...	...	...	...	...	...	...	...	...	.40	4.00
" " " scarlet or carmine, extra selected	...	...	...	...	...	...	...	...	...	...	.40	4.00
" " " white reflected rose, extra selected	...	...	...	...	...	...	...	...	...	...	.40	4.00
" " " pure white	...	...	...	...	...	...	...	...	...	...	.40	4.00

BEGONIA

									Per $\frac{1}{4}$ oz.	Per oz.	
Evansiana , 2 ft., one of the hardiest Begonias (See page 11)	...	...	...	...	...	...	...	...	\$ 9.00	\$ 35.00	—
Gracilis Snow Bank , clear white	...	...	...	...	...	...	...	...	6.00	20.00	—
" Deep Rose	...	...	...	...	...	...	...	...	6.00	20.00	—
" Ball Red	...	...	...	...	...	...	...	...	6.00	20.00	—

BOCCONIA

									Per oz	Per lb	
cordata , a large perennial plant25	2.50	

BRIZA

maxima (Quaking Grass)10	.80	
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BROWALLIA

elata , mixed colors, blue and white mixed85	8.50	
" blue	1.00	10.00	
" white	1.00	10.00	

CACALIA (Tassel Flower)

sonchifolia , mixed colors	...	...	...	...	...	...	...	...	.70	7.00	
" aurantiaca , orange yellow	...	...	...	...	...	...	...	...	.80	8.00	
" coccinea , scarlet	...	...	...	...	...	...	...	...	.80	8.00	

CALCEOLARIA

Triumph finest mixed colors, finest mixture of extensive colors

Per $\frac{1}{8}$ oz	\$ 7.00	Per $\frac{1}{4}$ oz	\$ 13.00	Per oz	\$ 50.00	—
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CALLIOPSIS (Coreopsis)

annual tall mixed colors10	1.00	
" Golden Wave10	1.00	
Drummondii10	1.10	
" Golden Crest	...	...	...	...	...	...	...	...	.10	1.00	
tinctoria tall mixed colors	...	...	...	...	...	...	...	...	.10	1.80	
" double-flowering mixed colors	...	...	...	...	...	...	...	...	.15	1.20	
" nana dwarf mixed colors , extra dwarf quality...	...	...	...	...	...	...	...	...	.15	1.50	
lanceolata grandiflora , Mayfield Giants (Coreopsis)	...	...	...	...	...	...	...	...	.10	1.20	
" " double Sunburst ( " )	...	...	...	...	...	...	...	...	.15	1.50	

CELOSIA

Childsii , mixed colors	...	...	...	...	...	...	...	...	.30	3.00	
" pink	...	...	...	...	...	...	...	...	.30	3.00	
" yellow	...	...	...	...	...	...	...	...	.30	3.00	
" crimson	...	...	...	...	...	...	...	...	.30	3.00	
cristata nana dwarf , mixed colors	...	...	...	...	...	...	...	...	.60	6.00	
cristata nana dwarf , Red Shades	...	...	...	...	...	...	...	...	.60	6.00	
cristata nana dwarf , Fire Brand (new) (See page 12)	...	...	...	...	...	...	...	...	1.50	15.00	
cristata nana dwarf , Empress, extra	...	...	...	...	...	...	...	...	1.00	10.00	
cristata nana dwarf , rosea, extra	...	...	...	...	...	...	...	...	1.00	10.00	
cristata nana dwarf , aurea, extra	...	...	...	...	...	...	...	...	1.00	10.00	

CELOSIA (Continued) Per oz Per lb

cristata semi-dwarf, Giant		
Crimson Glory, extra	1.10	11.00
cristata semi-dwarf, multiflora, crimson scarlet (See page 13)		
... ..	1.00	10.00
cristata semi-dwarf Red and Gold (new) (See Page 12)	3.00	30.00
cristata Gilbert's finest mixed colors	1.00	10.00
" " Green Gold	1.20	12.00
" " Rose Beauty	1.20	12.00
cristata tall mixed colors	.40	4.00
" " crimson, extra, 2 1/2 ft. with very large comb ...	.50	5.00
globosa, scarlet, extra ...	.80	8.00
plumosa, finest mixed colors, with balanced colors ...	.20	1.75



Celosia Pyramidalis Piumosa Nana
Dwarf Fiery Feather

plumosa, Thompsoni Magnifica, Extra Select mixed colors, extra quality	...	.60	6.00
" " " Extra Select crimson, extra quality	See Page	.70	7.00
" " " Extra Select golden yellow, extra quality	...	.70	7.00
" " " Extra Select Orange Scarlet, extra quality	...	.70	7.00
pyramidalis Flame of Fire, extra ... ..	...	.80	8.00
pyramidalis Crimson (new) (See Page 13) ... ..	...	1.50	15.00
" Globe of Gold (new) (See Page 13) ... ..	...	1.50	15.00
" plumosa nana (Lilliput) Dwarf Fiery Feather, dwarf extra quality ... ..	...	.45	4.50
" " " " Dwarf Golden Feather, extra quality ... ..	...	.45	4.50
" " " " Dwarf Feather Mixed ... ..	...	.35	3.50
spicata ... ..	...	.20	2.00

CENTAUREA

Cyanus double-fl. mixed colors ... ..	.15	1.50
americana (Basket Elower) mixed colors ... ..	.20	1.75
" soft-lilac ... ..	.20	2.00
" white20	2.00
macrocephala35	3.50

CERASTIUM

tomentosum (Snow in Summer)35	3.50
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CHRYSANTHEMUM

											<i>Per oz</i>	<i>Per lb</i>
japonicum, single-flowering mixed colors, selected	2.00	20.00
japonicum, single-flowering brilliant crimson. Our trial proved over 90% to be brilliant rich crimson like their parents	...	...	...	...	...	...	...	...	...	...	5.00	50.00
japonicum double Anemone-flowering mixed colors, high percentage of Anemone-fl.	...	...	...	...	...	...	...	...	...	...	7.50	75.00
japonicum large Anemone-fl. mixed colors	...	(Per 100 seeds \$ 0.50)										
" incurved flower, mixed colors	...	(Per 100 seeds \$ 0.50)										
" medium sized pompon mixed colors	...	(Per 100 seeds \$ 0.50)										
" spider type, mixed colors	...	(Per 100 seeds \$ 0.50)										
} See Page 12												
Korean Hybrid, mixed colors, very good assorted colors with large flowers											2.00	20.00

CLEMATIS

paniculata white30	3.00
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CLEOME (Spider Plant)

speciosa Pink Queen30	3.00
" Helen Campbell, glistening pure white30	3.00

COLEUS (Flame Netted)

hybridus large-leaved mixed colors	...	...	...	...	...	...	...	...	...	...	1.50	15.00
" " " " Extra selected formula mixed (See page 14)											4.00	40.00
" Rainbow Mixture	...	...	...	...	...	...	...	...	...	...	2.00	20.00
" Superfine Rainbow Mixture, Extra selected formula mixed (See page 14)											4.00	40.00

CORAL FLOWER

..25	1.75
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COSMOS

Early-fl. finest mixed colors20	2.50
Sensation, mixed colors20	2.00
" crimson25	2.50
" pink	...	...	...	...	...	...	...	...	...	...	.25	2.50
" white	...	...	...	...	...	...	...	...	...	...	.25	2.50
" Radiance, extra	...	...	...	...	...	...	...	...	...	...	.30	3.00
Late Mammoth-flowering, mixed colors	...	...	...	...	...	...	...	...	...	...	.20	1.75
Yellow Flare	...	...	...	...	...	...	...	...	...	...	.25	2.50
Orange Flare	...	...	...	...	...	...	...	...	...	...	.25	2.50
" " semi-double or Orange Ruffles	...	...	...	...	...	...	...	...	...	...	.30	3.00
" " Fiesta (new)	...	...	...	...	...	...	...	...	...	...	.40	4.00
" " Tetra, large-flowered (See page 14)	...	...	...	...	...	...	...	...	...	...	1.00	10.00
" " Tetra double or Orange Ruffles, extra large-fl. (new)											2.50	25.00
(See page 14)												

CUPHEA

Firefly80	8.00
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CYNOGLOSSUM

amabile, blue (Chinese Forget-me-not)10	1.00
" Firmament12	1.20
linifolium, white (Snow Bird)10	1.00

DAHLIA

										<i>Per oz</i>	<i>Per lb</i>
variabilis, single finest mixed colors	...	...	...	...	...	...	...	...	...	.20	1.75
double-flowering mixed colors , high percentage of double flowers	...	...	...	...	...	...	...	...	...	1.50	15.00
Coltness Hybrids, mixed colors , dwarf compact strain with various fancy colors	...	...	...	...	...	...	...	...	...	.35	3.50
Mignon dwarf mixed colors	...	...	...	...	...	...	...	...	...	.35	3.50
Unwin's Hybrid dwarf mixed colors	...	...	...	...	...	...	...	...	...	.40	4.00

DIANTHUS

nipponicum, coccinea, red	...	...	...	...	...	...	...	...	...	.50	5.00
" alba, white	...	...	...	...	...	...	...	...	...	.50	5.00
deltoides, bright pink, perennial	...	...	...	...	...	...	...	...	...	1.10	11.00
Sweet Wivelsfield, single mixed colors	...	...	...	...	...	...	...	...	...	.35	3.50
" double mixed colors	...	...	...	...	...	...	...	...	...	.50	5.00
Heddensis Westwood Beauty	...	...	...	...	...	...	...	...	...	.40	4.00
Allwoodii	...	...	...	...	...	...	...	...	...	1.50	15.00
sinensis, single finest mixed	...	...	...	...	...	...	...	...	...	.20	2.00
" " dwarf finest mixed	...	...	...	...	...	...	...	...	...	.50	5.00
" double finest mixed	...	...	...	...	...	...	...	...	...	.30	3.00

DIGITALIS (Foxglove)

gloxiniaeflora, mixed colors	...	...	...	...	...	...	...	...	...	.20	2.00
" The Shirley, long spiked mixed colors	...	...	...	...	...	...	...	...	...	.30	2.75

DOLICHOS (Hyacinth Bean)

mixed colors	...	...	...	...	...	...	...	...	...	.10	.90
rose purple	...	...	...	...	...	...	...	...	...	.10	.90
white	...	...	...	...	...	...	...	...	...	.10	.90

EULALIA

japonica	...	...	...	...	...	...	...	...	...	.40	4.00
" gracillima, fine leaved sport	...	...	...	...	...	...	...	...	...	1.50	15.00

EUPHORBIA

heterophylla (Fire-on-the-Mountain)	...	...	...	...	...	...	...	...	...	.35	3.50
variegata (Snow-on-the-Mountain)	...	...	...	...	...	...	...	...	...	.30	3.00
myrsinites, perennial creeping var.	...	...	...	...	...	...	...	...	...	2.50	25.00

FLOWERING KALE



Flowering Kale

FLOWERING KALE (*Continued*)

Looks like between Kale and Cabbage. When seeds are sown in May to June, the foliage turns either colorful rose or pure white in fall. People here use them for winter decorations, both in pot and as cutflower. We can supply extra fine strain which always shows beautiful color. Inferior strains do not show up.

											<i>Per oz</i>	<i>Per lb</i>
mixed colors , extra ...	...	...	...	...	...	...	...	...	...	...	.40	4.00
white on green , extra ...	...	...	...	...	...	...	...	...	...	...	.50	5.00
red on green , extra ...	...	...	...	...	...	...	...	...	...	...	.50	5.00

GAILLARDIA (Blanket Flower)

picta , single mixed colors ...	...	...	...	...	...	...	...	...	...	...	.20	2.00
" Lorenziana , double mixed colors ...	...	...	...	...	...	...	...	...	...	...	.25	2.50
grandiflora , large-fl. mixed colors ...	...	...	...	...	...	...	...	...	...	...	.30	3.00
" Dazzler , yellow, maroon center ...	...	...	...	...	...	...	...	...	...	...	.40	4.00
" Monarch Strain , varied colors with large flowers ...	...	...	...	...	...	...	...	...	...	...	.40	4.00

GENTIANA

Makinoi , large and rich blue flower on tall plants, 2 to 2½ feet. Flowers in July/August.	Per ¼oz \$ 1.75	Per ½oz \$ 3.25	10.00	—
scabra buergeri , very late flowering variety with bright blue large flowers. 1 ft. Flowers in October/November.	Per ¼oz \$ 1.75	Per ½oz \$ 3.25	10.00	—

GLOBE AMARANTH (*Gomphrena globosa*)

finest mixed colors ...	...	...	...	...	...	...	...	...	...	...	.10	.80
alba , white ...	...	...	...	...	...	...	...	...	...	...	.10	1.00
rosea , pink ...	...	...	...	...	...	...	...	...	...	...	.10	1.00
rubra ...	...	...	...	...	...	...	...	...	...	...	.10	1.00
Buddy , dwarf and compact, amaranth red color ...	...	...	...	...	...	...	...	...	...	...	.40	4.00
Haageana , orange ...	...	...	...	...	...	...	...	...	...	...	.15	1.50

COURD

Japanese Bottle , small-sized ...	...	...	...	...	...	...	...	...	...	...	.10	1.25
" " large-sized ...	...	...	...	...	...	...	...	...	...	...	.10	1.25
luffa or Dishcloth ...	...	...	...	...	...	...	...	...	...	...	.10	.20

GYPSOPHILA

Oldhamiana , a perennial Baby's Breath introduced by us years ago40	4.00
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HELICHRYSUM (Straw Flower)

monstrosum , large-flowered double mixed25	2.50
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HOLLYHOCK (*Althaea rosea*)

Indian Spring25	2.50
" " semi-double mixed colors45	4.50
Double Triumph mixed colors ...	...	...	...	...	...	...	...	...	...	...	.60	6.00
Allegheny Mammoth mixed colors30	3.00

HUMULUS

japonicus (Japanese Hop Vine)25	2.50
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IPOMOEA (Also see Morning Glory)

											<i>Per oz</i>	<i>Per lb</i>
cardinalis	(Quamoclit hybrida), Cardinal Climber			25	2.50
quamoclit	(Cypress Vine), mixed colors				...	...	...	...	...	...	.20	2.00
"	"	"	scarlet	...	...	...	...	...	...	...	.20	2.00
"	"	"	white	...	...	...	...	...	...	...	.25	2.50

IRIS

Kaempferi ,	Japanese Flag Iris, garden variety mixed colors				...	...	...	...	...	...	.90	9.00
japonica	...	...	...	...	...	...	...	...	...	...	1.20	12.00
laevigata	1.20	12.00
sibirica orientalis mixed colors75	7.50

KOCHIA

Childsii10	.50
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KUDZU VINE (Pueraria thunbergiana)15	1.50
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LILIUM

auratum ,	Golden Banded Lily				1.00	10.00
auratum platyphyllum	1.20	12.00
cordifolium ,	milk white, tinged with green at base				...	...	...	...	...	...	1.50	15.00
japonicum	...	...	...	...	...	...	...	...	...	...	1.50	15.00
Longiflorum, White Queen ,	extra early flowering strain				...	...	...	...	...	...	4.00	40.00
medeoloides ,	Wheel Lily				...	...	...	...	...	...	1.50	15.00
philippense formosanum	...	...	...	...	...	...	...	...	...	...	.75	7.50
"	"	Pure White-flowering Strain				...	...	...	...	...	1.20	12.00
rubellum	2.00	20.00
rubrum	1.50	15.00

LINARIA

maroccana ,	excelsior mixed colors				1.25	2.50
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LUPINUS

hirstus ,	large-seeded mixed colors			10	.90
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MARIGOLD (Tagetes)

tall double mixed colors20	2.00
" gigantea Sunset Giants25	2.50
" Guinea Gold	...	...	...	...	...	...	...	...	...	...	.25	2.30
" Burpee's Gold	...	...	...	...	...	...	...	...	...	...	.30	3.00
" Victory	...	...	...	...	...	...	...	...	...	...	.30	3.00
" Yellow Supreme	...	...	...	...	...	...	...	...	...	...	.30	3.00
" chrysanthemum-fl. Mixed colors	...	...	...	...	...	...	...	...	...	...	.25	2.50
"	"	Crown of Gold				...	...	...	...	...	.30	3.00
"	"	Dixie Sunshine				...	...	...	...	...	.30	3.00
"	"	Giant Goldsmith				...	...	...	...	...	.30	3.00
"	"	Glitters				...	...	...	...	...	.30	3.00
"	"	Golden Bedder				...	...	...	...	...	.30	3.00
"	"	Limelight				...	...	...	...	...	.30	3.00
"	"	Pot of Gold				...	...	...	...	...	.30	3.00

MARIGOLD (Tagetes) (*Continued*)

										<i>Per oz</i>	<i>Per lb</i>
French, Tall mixed colors	...	...	...	...	...	...	...	...	...	.25	2.50
" Dwarf mixed colors	...	...	...	...	...	...	...	...	...	.25	2.50
" " Royal Scot	...	...	...	...	...	...	...	...	...	.30	3.00
" " Scarlet Glow	...	...	...	...	...	...	...	...	...	.30	3.00
" " Spry	...	...	...	...	...	...	...	...	...	.30	3.00
" " Harmony, double extra dwarf strain, top flowering	showy										
	strain of our selection	...	...	...	...	...	...	...	...	.30	3.00
" Single Flash	...	...	...	...	...	...	...	...	...	.30	3.00
" " Naughty Marietta30	3.00
" " Red Head30	3.00

MIMOSA

pudica (Sensitive Plant)30	3.00
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MIRABILIS

Jalapa (Marvel of Peru or Four O'Clock), finest mixed10	.75
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MOONFLOWER, white seeded15	1.50
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MORNING GLORIES

major finest mixed colors10	.55
major star-flowered crimson10	1.00
Cornell	...	...	...	...	...	...	...	...	...	.20	2.00
Crimson Rambler	...	...	...	...	...	...	...	...	...	.10	.80
Darling	...	...	...	...	...	...	...	...	...	.20	2.00
Scarlett O'Hara	...	...	...	...	...	...	...	...	...	.20	2.00
" " Climbing (new See Page 15)	...	...	...	...	...	...	...	...	...	.30	3.00
White O'Hara	...	...	...	...	...	...	...	...	...	.20	2.00
Scarlett O'Hara Mixed Colors, scarlet 60%, white 40%	...	...	...	...	...	...	...	...	...	.20	2.00
imperialis, Japanese Imperial Morning Glory, mixed colors	...	...	...	...	...	...	...	...	...	.10	1.00
Japanese finest fringed mixed colors, extra selected	...	...	...	...	...	...	...	...	...	.20	2.50

**MORNING GLORY JAPANESE IMPERIAL
SUPER GIANT STRAINS**

(See Page 15)

										<i>Per oz</i>	<i>Per lb</i>
Sakata's Super Giant, mixed colors, extra large-fl. selected strain	...	...	...	...	...	...	...	...	...	1.00	10.00
" " " pink	...	...	...	...	...	...	...	...	...	1.50	15.00
" " " crimson white margined	...	...	...	...	...	...	...	...	...	1.50	15.00
" " " rose pink	...	...	...	...	...	...	...	...	...	1.50	15.00
" " " amaranth-red	...	...	...	...	...	...	...	...	...	1.50	15.00
" " " rich purple violet	...	...	...	...	...	...	...	...	...	1.50	15.00
" " " sky blue	...	...	...	...	...	...	...	...	...	1.50	15.00
" " " pure white	...	...	...	...	...	...	...	...	...	1.50	15.00

MYOSOTIS

alpestris, Azure Blue	...	...	...	...	...	...	...	...	...	.40	4.00
palustris Semperflorens, everflowering myosotis	...	...	...	...	...	...	...	...	...	.70	7.00

NIGELLA

								<i>Per oz</i>	<i>Per lb</i>
damascena double-fl.	Miss Jekyll mixed colors10	.75

OENOTHERA (Evening Primrose)

biennis, tall yellow sweet-scented10	.60
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PAEONIA (Peony)

Moutan, collected from garden varieties	2.00	20.00
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P A N S Y

								<i>Per oz</i>	<i>Per lb</i>
Super Swiss Giants Mixed Colors	9.00	90.00

An extra selected mixed colors just as good as original Swiss Giants. Well rounded very large flowers mostly with bold and distinct colors characteristic to this group. Highly recommended.

Swiss Giants Mixed Colors	...	...	...	...	...	...	...	3.50	35.00
Closely following to Super Swiss Giants in size and in color.									

Swiss Giants, Alpenglow, extra selected	...	...	...	...	...	...	...	4.00	40.00
" " Berna, extra selected	...	...	...	...	...	...	...	3.50	35.00
" " Ullswater (Lake of Thun), extra selected	...	...	...	...	...	...	...	3.50	35.00
" " Coronation Gold, extra selected	...	...	...	...	...	...	...	3.50	35.00
" " Pure White	...	...	...	...	...	...	...	3.50	35.00
" " Raspberry Rose	...	...	...	...	...	...	...	4.00	40.00
" " Rheingold	...	...	...	...	...	...	...	4.00	40.00
" " Red Wing	...	...	...	...	...	...	...	4.00	40.00
" " Orange	...	...	...	...	...	...	...	3.50	35.00
" " Delft Blue	3.50	35.00
" " Firebeacon	3.50	35.00

Mastodon, Jumbo, Mixed Colors	5.00	50.00
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Trimardeau Mixed Colors80	8.00
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" Tigress, selected mixture of characteristic fancy colors	1.00	10.00
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large-flowering Peter Pan Mixed Colors90	9.00
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BABY PANSY

Mrs. A. H. Scott (our introduction)	1.20	12.00
Viola type with Lord Beaconsfield color, very compact and showy.									

Baby Delight (our introduction), clear blue, extra early flowering	1.20	12.00
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" " Yellow (our introduction)	1.20	12.00
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Our new introduction with yellow color, otherwise same as above.

Baby Delight Apricot (our introduction), new breed with apricot color	1.20	12.00
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PETUNIA

Hybrida Tall Growing Varieties

In this group, we have listed the strains which height comes from 17 to 18 inches high under normal conditions.

Mixed Colors45	4.50
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General Dodd, velvety purple-red, extra70	7.00
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Petunia Hybrida Tall Growing Varieties (*Continued*)

										<i>Per oz</i>	<i>Per lb</i>
Blue King , violet blue, extra70	7.00
White King , pure white	...	...	...	...	...	...	...	...	...	.60	6.00
Topaz Rose , deep rose, extra	...	...	...	...	...	...	...	...	...	.80	8.00
Howard's Star , velvety crimmson with white star	...	...	...	...	...	...	...	...	...	.80	8.00
Flaming Velet , velvety scarlet crimson	...	...	...	...	...	...	...	...	...	1.00	10.00
Sutton's Blue Bedder , violet blue with silver center	...	...	...	...	...	...	...	...	...	.80	8.00

Hybrida Semi-tall Growing Varieties

This group contains such varieties which grow from 13 to 16 inches under normal cultivation.

Mixed Colors , formula mixture of extensive bright colors	...	...	...	...	...	...	...	...	...	.80	8.00
Peach Red , salmon rose, extra	...	...	...	...	...	...	...	...	...	2.50	25.00
Hollywood Star , rose star shaped	...	...	...	...	...	...	...	...	...	1.50	15.00
" " salmon (new), a beautiful salmon instead of pink	...	...	...	...	...	...	...	...	...	3.00	30.00
Cheerful , clear salmon-rose	...	...	...	...	...	...	...	...	...	1.50	15.00
Blue Bird , velvety violet-blue	...	...	...	...	...	...	...	...	...	1.00	10.00
Topaz Queen , scarlet rose, extra	...	...	...	...	...	...	...	...	...	1.20	12.00
Celestial Rose Improved , deep rose, extra	...	...	...	...	...	...	...	...	...	.90	9.00
Rose Queen Improved , bright rose	...	...	...	...	...	...	...	...	...	.90	9.00
Rose of Heaven , brilliant rose	...	...	...	...	...	...	...	...	...	.90	9.00
Rosy Morn Selected , rose white center	...	...	...	...	...	...	...	...	...	.90	9.00
White Perfection , pure white	...	...	...	...	...	...	...	...	...	.90	9.00
Heavenly Blue , silver blue, extra	...	...	...	...	...	...	...	...	...	.90	9.00
Glow , carmine scarlet	...	...	...	...	...	...	...	...	...	4.00	40.00
English Violet , violet-mauve, extra	...	...	...	...	...	...	...	...	...	1.50	15.00
Cream Star , creamy-white	...	...	...	...	...	...	...	...	...	1.50	15.00
First Lady , salmon rose-pink, extra	...	...	...	...	...	...	...	...	...	3.50	35.00
New Rosy Morn , light rose white center	...	...	...	...	...	...	...	...	...	1.50	15.00

Hybrida Nana Compacta

This group is the dwarfest of bedding Petunias. Height ranging from 10 to 12 inches under normal condition.

Mixed Colors , formula mixture of extensive bright colors	...	...	...	...	...	...	...	...	...	1.00	10.00
Little Violet Star (new)	}	(See pages 8 to 9)								7.50	75.00
Elk's Star Improved (new)										5.00	50.00
Blue Gem (new)										5.00	50.00
Salmon Red and White (new)										10.00	100.00
Coral Red (new)										10.00	100.00
Fire Chief ... ..	...	...	...	...	...	...	...	...	...	8.00	80.00
Bright Eye , extra ... ..	...	...	...	...	...	...	...	...	...	2.00	20.00
Snow Queen , pure white, extra	...	...	...	...	...	...	...	...	...	2.00	20.00
Caprice (new), velvety violet blue white variegated	...	...	...	...	...	...	...	...	...	5.00	50.00
Blue Ball , true blue	...	...	...	...	...	...	...	...	...	5.00	50.00
Admiral , rich blue	...	...	...	...	...	...	...	...	...	1.50	15.00
Snow Mountain , extra	...	...	...	...	...	...	...	...	...	1.50	15.00
Igloo , white	...	...	...	...	...	...	...	...	...	1.50	15.00
Northern Star , violet blue with white star, extra	...	...	...	...	...	...	...	...	...	1.50	15.00

Petunia Hybrida Nana Compacta (Continued)

	Per oz	Per lb
Radiance, cerise-rose with golden throat	1.50	15.00
Twinkles Reselected, bright rose starred white, extra	2.00	20.00
Elk's Star, velvety crimson starred white, extra	2.00	20.00
King Henry, velvety scarlet, extra	15.00	15.00

Hybrida Pendula or Balcony

Mixed Colors	1.50	15.00
Rosy Morn, bright rose, white center	1.70	17.00
Cornflower Blue	1.70	17.00
Rose	1.70	17.00
White	1.70	17.00
Red	1.70	17.00
Blue	1.70	17.00

Grandiflora, Dwarf Fringed Large-fl. finest mixed colors ...	25.00	250.00
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F1 HYBRID PETUNIAS (See Page 6)					Per 1/8 oz	Per 1/4 oz	Per oz
F1 Large Single Fringed Dwarf Salmon Orange					11.00	20.00	75.00
" " " " " Salmon Orange and White					11.00	20.00	75.00
" " Plain Edged Dwarf Blue & White					11.00	20.00	75.00
" " " " " Salmon-Pink					11.00	20.00	75.00
" " " " " Clear Pink					11.00	20.00	75.00
" " " " " Carmine Rose					11.00	20.00	75.00
" " " " " Salmon Scarlet					14.00	27.00	100.00
F1 Nana Compacta Pink Beauty					5.80	10.50	35.00
" " " Brilliant Crimson					5.80	10.50	35.00
" " " Pink Queen					5.80	10.50	35.00

PETUNIA SAKATA'S ALL DOUBLE STRAINS

(See Page 3)

	Per 1/32 oz	Per 1/16 oz	Per 1/8 oz	Per 1/4 oz	Per oz
Giant Victorious Formula Mixed Colors (New)	12.25	23.75	46.50	90.00	350.00

All Double Fringed Victorious

Amaranth Red	9.25	17.50	33.50	65.00	250.00
Attraction	10.25	19.25	37.50	72.00	275.00
Clear Pink (new see page 3)	10.75	21.25	41.50	80.00	300.00
Gaiety	14.15	27.45	53.25	103.00	400.00
Blue Brocade	10.25	19.25	37.50	72.00	275.00
Loveliness	6.25	12.00	23.25	44.50	175.00
Prima Donna	10.75	21.25	41.50	80.00	300.00
Pure White	10.25	19.25	37.50	72.00	275.00
Rosy Carmine	10.25	19.25	37.50	72.00	275.00
Illumination	10.75	21.25	41.50	80.00	300.00
Victorious Mixed Colors	9.75	17.50	33.50	65.00	250.00

All Double Triumphant Giant Flowered Mixed	4.75	8.75	16.50	32.00	125.00
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All Double Dwarf Colossal Strain Mixed	5.75	10.25	19.50	38.00	150.00
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For Complete Price Schedule (See Page 5)

PHLOX

										<i>Per oz</i>	<i>Per lb</i>
Globe Phlox (Tom Thumb) mixed colors (See page 15)										2.50	25.00
Drummondii cuspidata (Star Phlox), mixed colors , covers wide range of bright colors ... ..										.50	5.00
"	grandiflora , finest mixed colors	...	...	...	...	...	...	...	...	.50	5.00
"	" chamois rose	...	...	...	...	...	...	...	...	.60	6.00
"	" cinnabar scarlet	...	...	...	...	...	...	...	...	.60	6.00
"	" coccinea	...	...	...	...	...	...	...	...	.60	6.00
"	" flesh rose eye	...	...	...	...	...	...	...	...	.60	6.00
"	" Isabellina	...	...	...	...	...	...	...	...	.60	6.00
"	" rosea	...	...	...	...	...	...	...	...	.60	6.00
"	" stellata atropurpurea	...	...	...	...	...	...	...	...	.60	6.00
"	" stellata splendens	...	...	...	...	...	...	...	...	.60	6.00
"	" violacea	...	...	...	...	...	...	...	...	.60	6.00
"	" violet blue	...	...	...	...	...	...	...	...	.60	6.00
"	" white	...	...	...	...	...	...	...	...	.60	6.00
"	" nana compacta , mixed colors, covers wide range of bright colors	...	...	...	...	...	...	...	...	.90	9.00
"	" nana compacta , coerulea stallata	...	...	...	...	...	...	...	...	1.20	12.00
"	" " Fireball	...	...	...	...	...	...	...	...	1.20	12.00
"	" " sky blue white eye	...	...	...	...	...	...	...	...	1.20	12.00
"	" " white	...	...	...	...	...	...	...	...	1.20	12.00
"	gigantea , mixed colors	...	...	...	...	...	...	...	...	.70	7.00
"	" Red Glory80	8.00
"	" Salmon Glory80	8.00

PHYSALIS (Chinese Lantern Plant)

Franchetii50	5.00
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PLATYCODON

grandiflora , early-fl. mixed colors, blue and white80	8.00
" blue90	9.00
" white	...	...	...	...	1.00	10.00
Mariesii , mixed colors	...	...	...	...	1.00	10.00
" blue	...	...	...	...	1.20	12.00
" white	...	...	...	...	1.20	12.00

PORTULACA

Extra Selected Full Double extra large-fl. mixed Colors	1.20	12.00
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Finding very superior strain, we bent a great deal of selection and can supply real excellent quality in huge flower size with wider range of many brilliant colors. We thus discarded older strain. We are proud of our new type. Can recommend with confidence.

grandiflora double-fl. , carmine , extra	...	...	...	...	2.00	20.00
" " rose-pink , extra	...	...	...	...	2.00	20.00
" " scarlet , extra	...	...	...	...	2.00	20.00
" " white , extra Large flowering full double	...	...	...	...	2.00	20.00
" " yellow , extra	...	...	...	...	2.00	20.00

RUDBECKIA

												<i>Per oz</i>	<i>Per lb</i>
purpurea	...	...	...	...	...	...	...	...	...	...	...	.30	3.00
hybrida mixed colors	...	...	...	...	...	...	...	...	...	...	...	.30	3.00
hirta, My Joy	...	...	...	...	...	...	...	...	...	...	...	.40	4.00

SALVIA

splendens	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
" America	...	...	...	...	...	...	...	...	...	...	...	1.20	12.00
" Bonfire	...	...	...	...	...	...	...	...	...	...	...	1.20	12.00
" Bonfire Tetra	(new), very large flowered yet densely set flower spikes, uniform in growth										...	3.00	30.00
" Harbinger	...	...	...	...	...	...	...	...	...	...	...	2.50	25.00
" Zurich	1.20	12.00
farinacea, Blue Bedder	1.50	15.00

SANONARIA

Vaccaria rose10	1.00
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SCABIOSA

japonica, perennial25	2.50
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SILENE

Armeria red15	1.50
pendula rose15	1.50

SOLANUM

Love Apple (Integifolium)30	3.00
Craigi, dwarf ornamental pepper, green first then white and purplish finally red	...	...	...	...	...	...	...	...	...	...	...	1.20	12.00
Christmas Pepper	...	...	...	...	...	...	...	...	...	...	...	1.20	12.00

STOKESIA

cyanea, mixed, colors	1.00	10.00
" blue	1.00	10.00

STRAWBERRY

Baron Solemacher Red	1.20	12.00
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SUNFLOWER (Helianthus)

Annus nanus very dwarf double20	1.70
cucumerifolius15	1.50
" stella	...	...	...	...	...	...	...	...	...	...	...	.15	1.50
hybridus purpureus (Red Sunflower)	...	...	...	...	...	...	...	...	...	...	...	.10	1.00
annual semi-tall Sungold, full double	...	...	...	...	...	...	...	...	...	...	...	.20	2.00

SWEET WILLIAM

annual mixed colors	...	...	...	...	...	...	...	...	...	...	...	.25	2.50
choice single mixed colors15	1.20
" double mixed colors25	2.25

TITHONIA

Torch (new)50	5.00
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TORENIA

												<i>Per oz</i>	<i>Per lb</i>
Fournieri, mixed colors	2.00	20.00
" blue	2.50	25.00
" white	2.50	25.00

VERBENA

grandiflora Royal Bouquet mixed colors , erect growing	...	...	...	...	...	...	...	...	...	...	...	.70	7.00
hybrida grfl. (Gigantea) mixed colors	...	...	...	...	...	...	...	...	...	...	...	.60	6.00

VINCA (Periwinkle)

rosea , well balanced mixed colors	...	...	...	...	...	...	...	...	...	...	...	.50	5.00
" rose	...	...	...	...	...	...	...	...	...	...	...	.60	6.00
" alba oculata , crimson eye on white ground	...	...	...	...	...	...	...	...	...	...	...	.60	6.00
" alba pura , pure white	...	...	...	...	...	...	...	...	...	...	...	.60	6.00
" delicata , soft pink with dark eye	...	...	...	...	...	...	...	...	...	...	...	.60	6.00
" Kermesina , tall growing darker rose colored than Rosea	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00

VIOLA CORNUTA (Tufted Pansy)

True Tufted Pansy mixed colors	...	...	...	...	...	...	...	...	...	...	...	.80	8.00
large-fl. hybrid mixed colors	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
small-fl. mixed colors , (Johnny Jump Up type of Viola)	...	...	...	...	...	...	...	...	...	...	...	.90	9.00
Mixture of very small flowers only, mostly violet shades.													
Papilio , blue and white	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
Blue Beauty	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
Lutea splendens , best yellow	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
Chantreyland , apricot	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
Admiration , dark blue	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
Blue Perfection , bright blue	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
Blue Butterfly , mid-blue	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
King Henry , violet blue, yellow eye	...	...	...	...	...	...	...	...	...	...	...	.80	8.00
Blue Elf , deep violet blue	...	...	...	...	...	...	...	...	...	...	...	.80	8.00
Miss Helen Mount , rich violet purple upper petals, lavender lower petals	...	...	...	...	...	...	...	...	...	...	...	.80	8.00

